

Application No.: NOT YET ASSIGNED

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) Climate, respectively ventilating channel with an inner-and/or outer lining composed of at least one insulating element, especially with a temperature resistance to fulfill the demands of the normative fire resistance categories or similar norms, in form of a plate, reinforced with a binding agent, or a wire mesh plate, composed of mineral fibers, soluble in a physiological milieu, with said inner-and/or outer lining composed of different insulating elements, which may be disposed at least in one layer in the direction of the longitudinal axis of said climate, respectively ventilating channel, to which they are attached, characterized in that the composition of said mineral fibers of the insulating element features an alkali/earth alkali relation of ≤ 1 and the fibrous structure of said insulating element is determined by an average geometric fiber diameter of $\leq 4 \mu\text{m}$, in the range of 20 to 120 kg/m³ and a portion of the binding agent, referred to the fiber mass of said insulating element, in form of a plate, is in the range of 4 to 7 weight % or in form of a wire mesh mat in the range of $[[0,5]]$ 0.5 to 1 weight %.

2. (Original) Channel according to claim 1, characterized in that said binding agent is an organic binding agent, such as phenol-formaldehyde resin.

3. (Currently Amended) Channel according to claim 1 $[[\text{or } 2]]$, characterized in that the portion of binding agent, referred to the fiber mass of said insulating element in the form of a plate, is within the range of $[[4,5]]$ 4.5 to 6 weight %.

4. (Currently Amended) Channel according to ~~one of the preceding claims claim 1~~, characterized in that the gross density of the outer lining, in a fire resistance category L30 or similar category, amounts to 20 to 40 kg/m³, preferably 30 kg/m³, at a fire resistance category L60 or similar, it amounts to 60 to 80 kg/m³, preferably 70 kg/m³, and at a fire resistance category L90 or similar, it amounts to 90 to 120 kg/m³, preferably 110 kg/m³.

5. (Currently Amended) Channel according to ~~one of the preceding claims claim 1~~, characterized in that said gross density of the inner lining corresponds, at least, to a gross density of

Application No.: NOT YET ASSIGNED

fire resistance category L30 or similar, featuring a longitudinal flux resistance according to DIN EN ISO 9053 or $> 15 \text{ kPas/m}^2$.

6. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said insulating element features an λ -arithmetic value of $\leq 35 \text{ mW/mK}$.

7. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said inner lining consists of an attrition-resistant, acoustically transparent cover, such as a glass fleece or similar device, and said outer lining is laminated of a diffusion-resistant cover, such as an aluminum foil or similar unit.

8. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said insulating element features a point of fusion according to DIN 4102, Part 17, of $\geq 1.000^\circ\text{C}$.

9. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said mineral fibers of the insulating element are produced by internal centrifugation pursuant to the centrifuging basket with a centrifuging basket temperature of at least $[[1.100]] 1,000^\circ\text{C}$.

10. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said mineral fibers of the insulating element, concerning their solubility in a physiological milieu, meet the demands of the European Guideline 97/69/EG and/or the demands of the German Norm for Dangerous Products, Section IV, No. 22.

11. (Currently Amended) Channel according to ~~one of the preceding claims~~ claim 1, characterized in that said insulating elements, for packing purposes, may be compressed at least in a relation of 1:2, up to a maximum gross density of 50 kg/m^3 , especially at least in a relation of 1:3 up to a maximum gross density of 30 kg/m^3 .

12. (Currently Amended) Inner-/outer lining for a climate, respectively ventilating channel, characterized in that said inner-/outer lining is composed of at least an insulating element with the marking features of ~~at least one of claims~~ claim 1 $[[\text{to } 11]]$.

13. (Currently Amended) Inner-/outer lining according to claim 11, characterized by the following ranges of the chemical composition of said mineral fibers in weight % figures:

Application No.: NOT YET ASSIGNED

SiO ₂	39-55 %
Al ₂ O ₃	16-27 %
C ₂ O	6-20 %
M _g O	1 – 5 %
Na ₂ O	0 – 15 %
K ₂ O	0 – 15 %
R ₂ O(Na ₂ O+K ₂ O)	10-[[14,7]] 14.7 %
P ₂ O ₅	0 – 3 %
Fe ₂ O ₃ (iron, total)	[[1,5]] 1.5-15 %
B ₂ O ₃	0 – 2 %
TiO ₂	0 – 2 %
Other	0-[[2,0]] 2.0 %

14. (Currently Amended) Self-sustaining climate, respectively ventilating channel according to ~~one of several characteristics of one of the preceding claims~~ claim 1, characterized in that it is exclusively composed of platelike insulating elements, reinforced with binding agent, said elements featuring a lamination on their inner- and outer surface.

15. (Original) Channel according to claim 14, characterized in that said inner-and outer lamination is formed of a diffusion-resistant cover, such as an aluminum foil or similar device.

16. (Currently Amended) Channel according to claim 14 [[and 15]], characterized in that the insulating elements are connected together at their junctions via folds to a rectangular respectively square cross-section.